

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the Application:

Listing of Claims:

1. (Currently Amended) A system for providing product location information within a store, the system comprising:

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a first user interface fixed positioned within the store, the first user interface configured to receive an input signal from a user related to ~~the identity of a product~~ that may be available within the store, to process the input signal and to provide a product inquiry signal in response to the input signal, the first user interface further configured to receive ~~a location~~ an information signal, and to provide an output signal in response to the ~~location~~ information signal, and

an inventory information unit coupled to the first user interface and comprising a database containing product location information and additional product-related information including product availability information, the inventory information ~~system~~ unit configured to provide the ~~location~~ information signal to the first user interface after receiving the product inquiry signal from the first user interface,

wherein the information signal provided by the inventory information unit at least sometimes includes a first portion of the product location information, and

wherein the information signal provided by the inventory information unit depends at least sometimes upon a first portion of the product availability information.

2. (Original) The system of claim 1, wherein the first user interface includes a receiver configured to receive the input signal, the input signal being a voice signal,

a speaker configured to provide the output signal, the output signal being a synthesized voice signal, and

a voice recognition and response unit configured to process a receiver signal indicative of the input signal and configured to provide a speaker signal from which the speaker generates the synthesized voice signal.

3. (Original) The system of claim 1, wherein the voice recognition and response unit includes a microprocessor programmed with voice recognition and voice synthesization software.

4. (Original) The system of claim 1, wherein the first user interface is at least one of a stand-alone device and a device configured to be mounted on a structure within the store, and wherein the first user interface is configured to be at least one of fixed at an end of an aisle of the store, fixed near a middle of an aisle of the store, fixed within a point of purchase display of the store, fixed on a wall of the store, embedded within a shelving structure of the store, fixed near a checkout counter of the store, and suspended from a ceiling of the store.

5. (Cancelled)

6. (Original) The system of claim 1, further comprising an input button, wherein the first user interface is configured to receive the input signal from the user only for a predetermined period of time after the input button has been triggered.

7. (Original) The system of claim 1, wherein the database of the inventory information unit is programmed with the product location information by downloading the product location information from an overall store information unit that is coupled to the inventory information unit.

8. (Original) The system of claim 1, wherein the first user interface includes
a keyboard entry device configured to receive the input signal, the input signal being a keying-in action,
a visual display unit configured to provide the output signal, the output signal being a visual output, and

a keyboard recognition and response unit configured to process a keyboard signal indicative of the input signal and configured to provide a video signal from which the visual display unit generates the visual output.

9. (Original) The system of claim 8, wherein the keyboard entry device and the visual display unit form a single touch screen input device, and wherein the user interface further includes a printer which is configured to print out at least one of listings and maps.

10. (Original) The system of claim 1, further comprising a second user interface, the second user interface being coupled to the inventory information unit.


11. (Original) The system of claim 1, further comprising a second user interface, the second user interface being coupled to the first user interface that is coupled to the inventory information unit.

12. (Original) The system of claim 11, wherein at least one of: the first user interface acts as an intermediate hub and only intermittently communicates with the inventory information unit; and the second user interface comprises the inventory information unit.

13. (Currently Amended) A system for providing product location information within a store, the system comprising:

an information unit including processing circuitry and a database containing product location information and additional product-related information including product availability information, the information unit configured to receive an input signal, to process the input signal, to obtain at least a first portion of the product location information and at least a first portion of the product availability information from the database in response to the processed input signal, and to provide an output signal that is determined based upon at least the first portions of the indicative of information ~~regarding~~ product location information and product availability information; and

an input/output device that is ~~fixed~~ positioned at a location within the store, the input/output device configured to receive a user input concerning a product location inquiry and to provide the input signal to the information unit in response to the user input, and to receive the output signal from the information unit and to communicate a user output in response to the output signal, ~~the user output indicative of product location~~ wherein at least some of the product location information and some of the additional product-related information is updated over time to reflect changes in inventory occurring within the store.



14. (Currently Amended) A system for providing product location information within a store, the system comprising:

an input means for receiving an input signal;

a signal processing means for processing the input signal to generate a product inquiry signal, the signal processing means being coupled to the input means;


a data storage means for storing product location information and providing a product location information signal to the signal processing means in response to the product inquiry signal, the data storage means being coupled to the signal processing means, and

an output means for providing an output signal, the output means also being coupled to the signal processing means, wherein the output means generates the output signal in response to a command signal from the signal processing means, which generates the command signal in response to the product location information signal; and

an updating means for modifying at least a portion of the product location information to reflect changes in inventory occurring within the store.

15. (Original) The system of claim 14, wherein a user interface comprises at least one of: each of the input means, the output means, the signal processing means, and the data storage means; and each of the input means, the output means and the signal processing means.

16. (Cancelled)




17. (Original) The system of claim 14, wherein a user interface comprises each of the input means, the output means and the signal processing means, and wherein the user interface is coupled to a central hub that comprises the data storage means, and wherein the user interface is coupled to the central hub by way of electrical wiring.

18. (Cancelled)

19. (Original) The system of claim 14, wherein a central hub includes the signal processing means and the data storage means, and a user interface includes at least one of the input means and the output means.

20. (Cancelled)



21. (New) The system of claim 1, wherein the additional product-related information includes information regarding at least one of the following: information concerning a quantity of the product within the store; information concerning a price of the product; information concerning a presence or absence of the product within the store; information concerning a time at which the product should be available at the store if the product is currently absent from the store; information concerning a sale/promotion relating to the product; information concerning an alternate store at which the product may be available; and information linking one product with another product in a cross-referential manner.

22. (New) The system of claim 1,
wherein the information signal provides at least one of information concerning a quantity of the product that is available at the store, information concerning a price of the product, information regarding a presence or a lack of availability of the product at the store, information regarding a time of availability of the product when it is determined that the product is not currently present within the store, information regarding a

sale/promotion relating to the product, information regarding a second store at which the product is available, and information regarding an alternative product.

23. (New) The system of claim 13, wherein the output signal indicates that a product is unavailable if the first portion of the product availability information indicates an absence of the product, and

wherein the output signal indicates a corresponding product location for the product if the first portion of the product availability information indicates a presence of the product, wherein the corresponding product location is determined based upon the first portion of the product location information.

24. (New) The system of claim 13, wherein the additional product-related information includes information regarding at least one of the following: information concerning a quantity of the product within the store; information concerning a price of the product; information concerning a presence or absence of the product within the store; information concerning a time at which the product should be available at the store if the product is currently absent from the store; information concerning a sale/promotion relating to the product; information concerning an alternate store at which the product may be available; and information linking one product with another product in a cross-referential manner.

25. (New) A system for providing product-related information within a store, the system comprising:

a product information database that stores product-related information,

wherein the product-related information includes both product location information, and product promotion information; and

a terminal, coupled to the database, that receives product location inquiries from users and outputs, in response to the inquiries, at least a first portion of the product location information and a first portion of the product promotion information,

wherein at least one of the first portion of the product location information and the first portion of the product promotion information relates to at least one of a first product

about which a first product location inquiry was made, a second product that is similar in type to the first product, and a third product that is located near a location of the first product.

26. (New) The system of claim 25, wherein at least one of the following is true:
at least some of the product promotion information is cross-referential between two different products; and
the terminal forms part of a point of purchase display.
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